

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) An ink for inkjet recording, comprising a dye, water, a water-miscible organic solvent and a precursor of acid;

wherein the precursor of acid is a compound showing no acidity at the time of preparation and storage of the ink, but capable of releasing acids by a reaction after aging or printing, or capable of rendering the ink system acidic as a result of the reaction; and
which comprises the precursor of acid in an amount of 0.01 to 20 wt%.

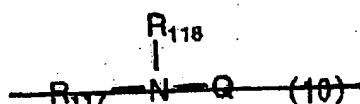
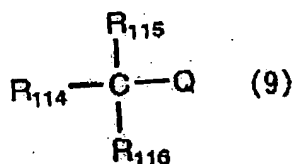
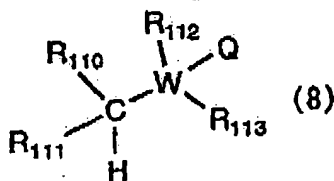
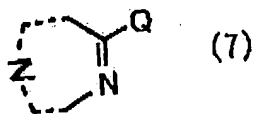
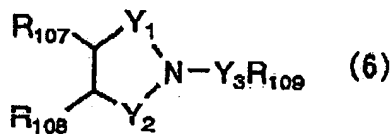
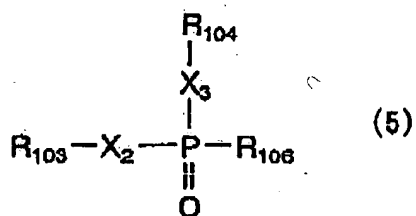
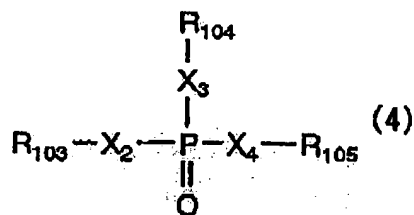
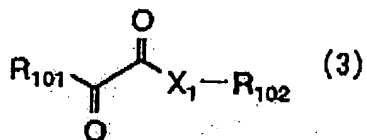
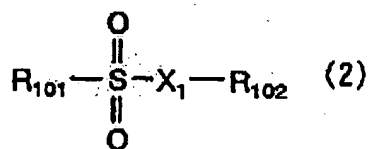
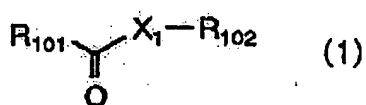
2. (canceled) The Ink for inkjet recording according to claim 1, wherein the precursor of acid is a compound showing no acidity at the time of a preparation and storage of the ink, but capable of releasing acids by a reaction after aging or printing, or capable of rendering the ink system acidic as a result of the reaction.

3. (currently amended) The ~~Ink~~ink for inkjet recording according to claim 1, wherein the precursor of acid includes at least one of compounds represented by the following formulae (1) to ~~(10)~~ (9):

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wherein R_{101} represents an alkyl group, an alkenyl group, an alkynyl group, an aryl group, a heterocyclic group, an amino group, an alkoxy group, an aryloxy group, an alkylthio group or an arylthio group, and the groups may have a substituent;

R_{102} to R_{106} and R_{109} each represent an alkyl group, an alkenyl group, an alkynyl group, an alkynyl group, an aryl group or heterocyclic group, and the groups may have a substituent;

R₁₀₇ and R₁₀₈ each represent a hydrogen atom, a chemical bond forming a double bond by being linked together, a halogen atom, an alkyl group, an alkenyl group, an alkynyl group, an aryl group or a heterocyclic group, and the groups may have a substituent, and two of R₁₀₇ and R₁₀₈ may form a ring by combining with each other;

X₁ to X₄ each represent an oxygen atom, a nitrogen atom, a sulfur atom, or a group represented by -N(R₁₁₉)-O- or -O-N(R₁₁₉)-; R₁₁₉ represents a hydrogen atom, an alkyl group, an aryl group or a heterocyclic group;

Y₁ to Y₃ each represent a carbonyl group, a sulfonyl group, or a group represented by -PO(R₁₂₀)R₁₂₁; R₁₂₀ and R₁₂₁ each represent an alkyl group, an aryl group, ~~an aryl group~~, a heterocyclic group, an amino group, an alkoxy group, an aryloxy group, an alkylthio group or an arylthio group;

Z represents atoms capable of forming an aromatic heterocyclic ring; Q represents a halogen atom, an alkoxy group, an aryloxy group, an alkylthio group, an arylthio group, an amino group, an acyloxy group, an alkylsulfonyloxy group or an arylsulfonyloxy group;

W represents a carbon atom or a nitrogen atom; Q has the same definition as described above; R₁₁₀ and R₁₁₁ each represent a hydrogen atom, a halogen atom, an alkyl group, an aryl group, a heterocyclic group, an amino group, an alkoxy group, an aryloxy group, an alkylthio group, an arylthio group, an acyl group, an alkylsulfonyl group or an arylsulfonyl group;

R₁₁₂ and R₁₁₃ each represent a hydrogen atom, a halogen atom, or an alkyl group, an aryl group, a heterocyclic group, an alkoxy group, an aryloxy group, an alkylthio group, an arylthio group, an acyl group, an alkylsulfonyl group or an arylsulfonyl group;

Q has the same definition as described above; R₁₁₄ represents an alkyl group, an aryl group, a heterocyclic group, an acyl group, an alkylsulfonyl group, an arylsulfonyl group, a

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phosphoric acid group, an alkylphosphonic acid group, an arylphosphonic acid group, a dialkylphosphonic acid group or a diarylphosphonic acid group; and

R₁₁₅ and R₁₁₆ each represent a hydrogen atom, a halogen atom, an alkyl group, an aryl group, a heterocyclic group, an amino group, an alkoxy group, an aryloxy group, an alkylthio group, an arylthio group, an acyl group, an alkylsulfonyl group or an arylsulfonyl group;

~~Q has the same definition as described above; R₁₁₇ and R₁₁₈ each represent a hydrogen atom, a halogen atom, an alkyl group, an aryl group, a heterocyclic group, an amino group, an alkoxy group, an aryloxy group, an alkylthio group, an arylthio group, an acyl group, an alkylsulfonyl group or an arylsulfonyl group.~~

4. (canceled).

5. (currently amended) The ~~Ink~~ink for inkjet recording according to claim 1, which further comprises a surfactant.

6. (currently amended) The ~~Ink~~ink for inkjet recording according to claim 1, which is an aqueous solution~~-type~~ ink, in which the dye is a water-soluble dye.

7. (currently amended) An ink set comprising the ink according to described in claim 1.

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8. (currently amended) An inkjet recording method, which comprises recording an image with an inkjet printer using the ink according to ~~described in claim 1 or the ink set described in claim 6.~~

9. (new) An inkjet recording method, which comprises recording an image with an inkjet printer using the ink set according to claim 6.